

Fig. 1

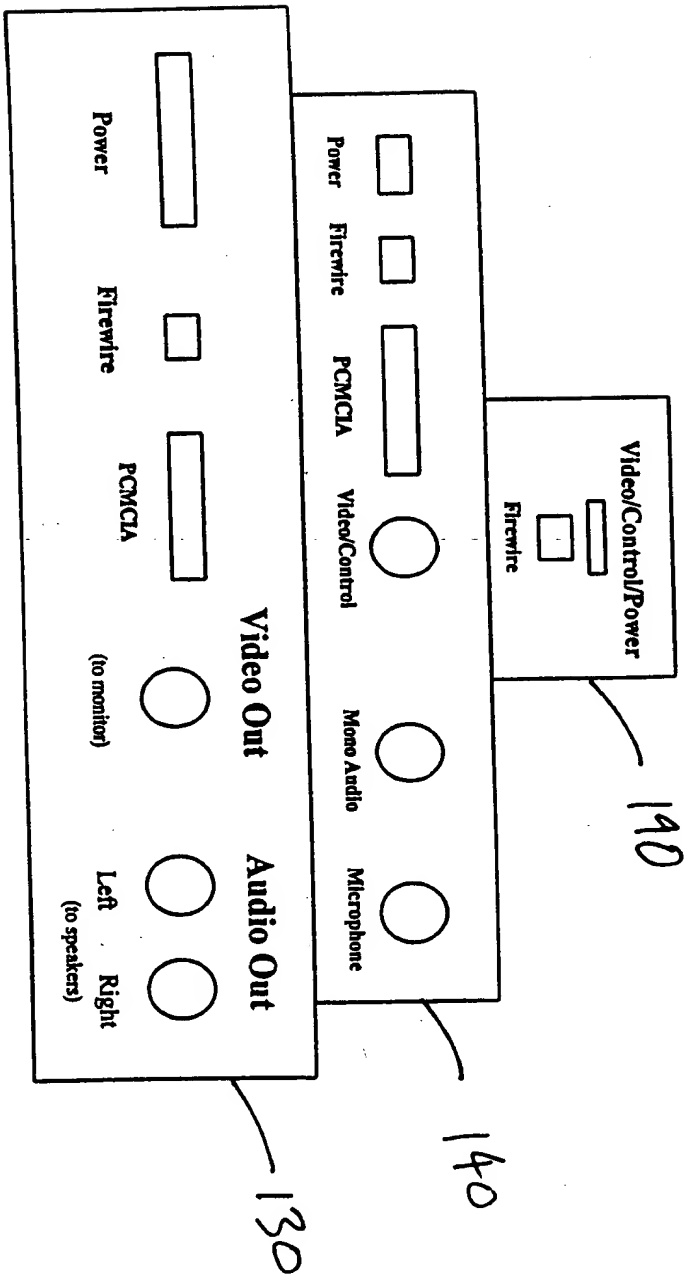


FIG. 2.

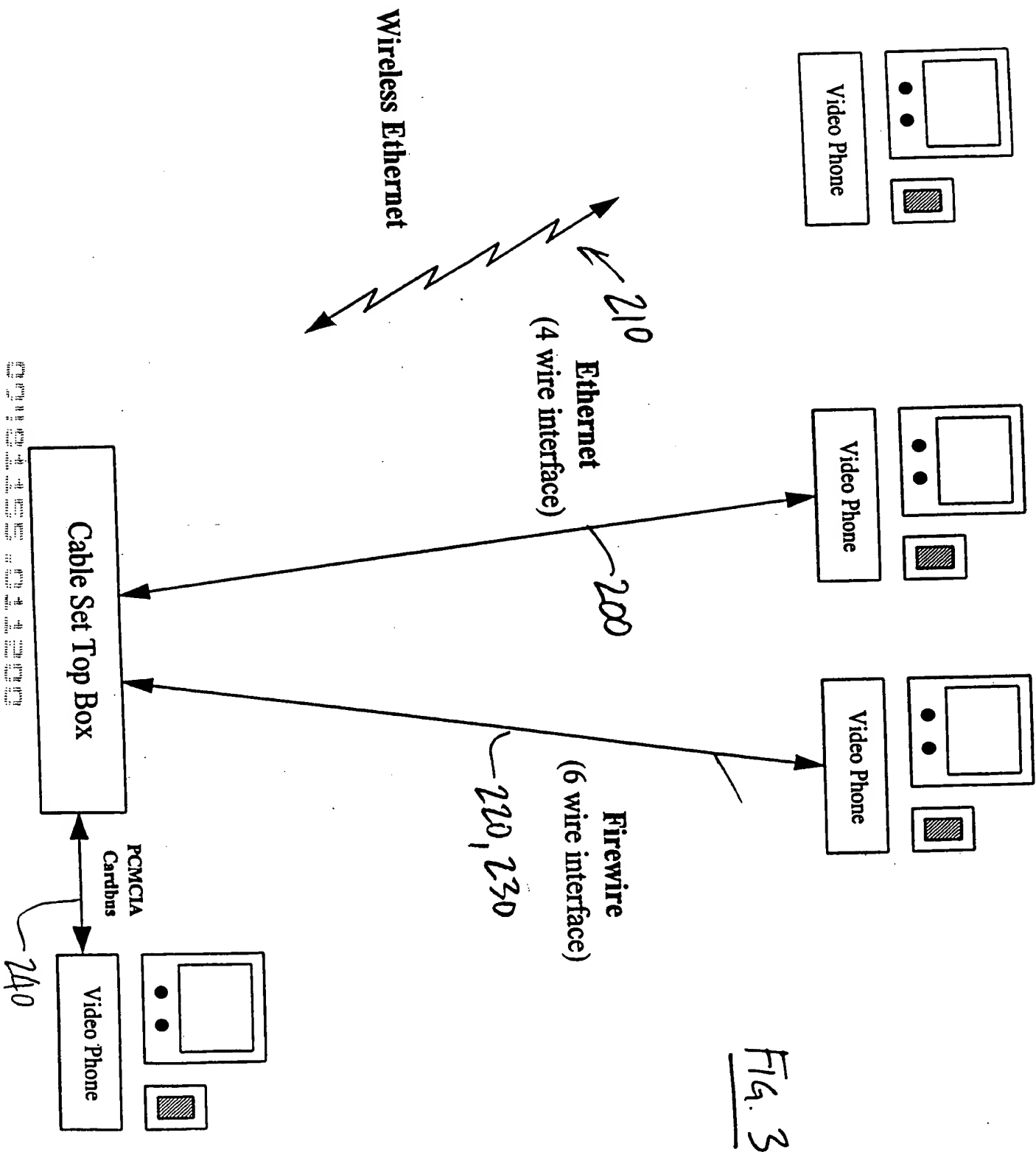


FIG. 4

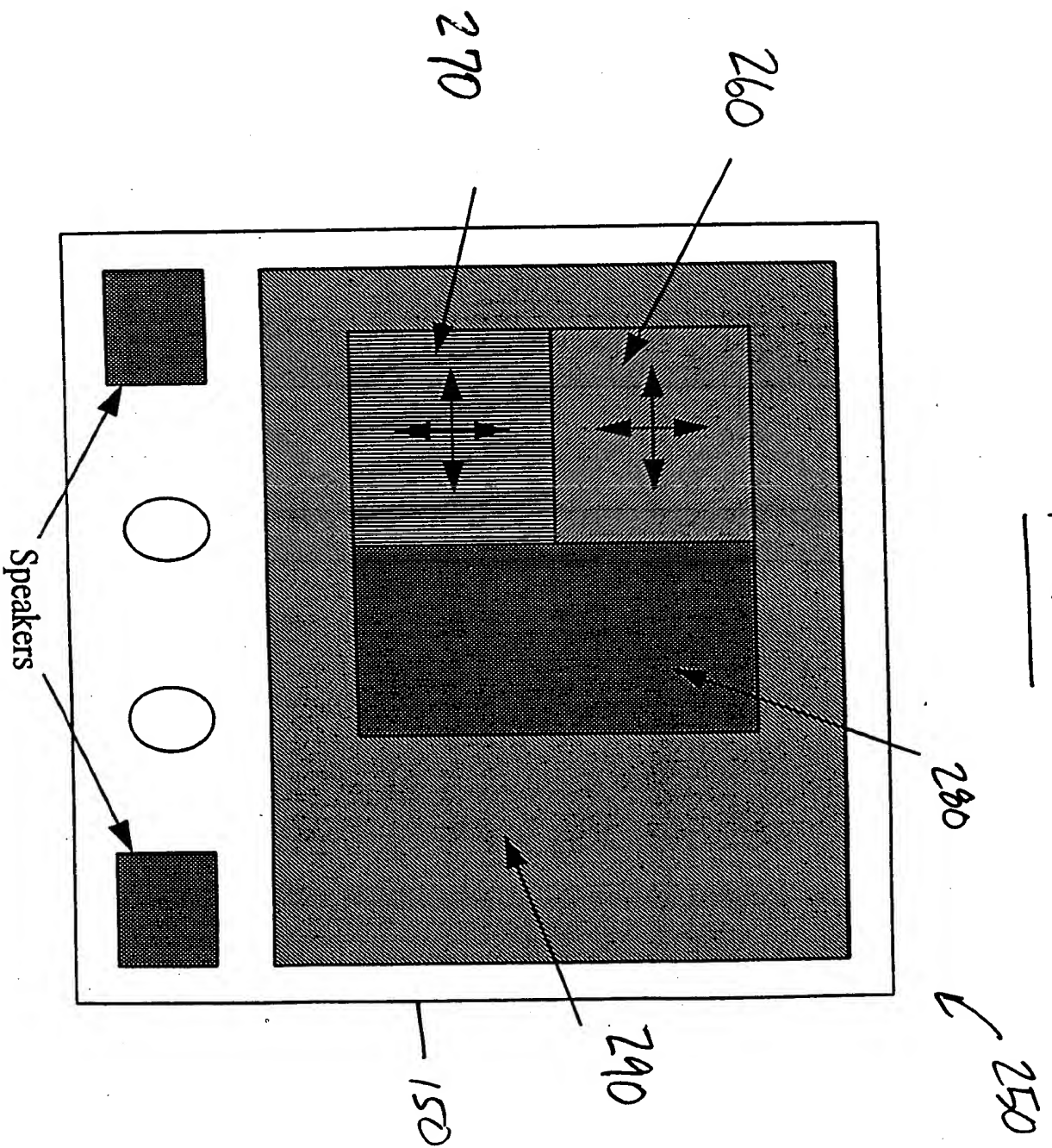
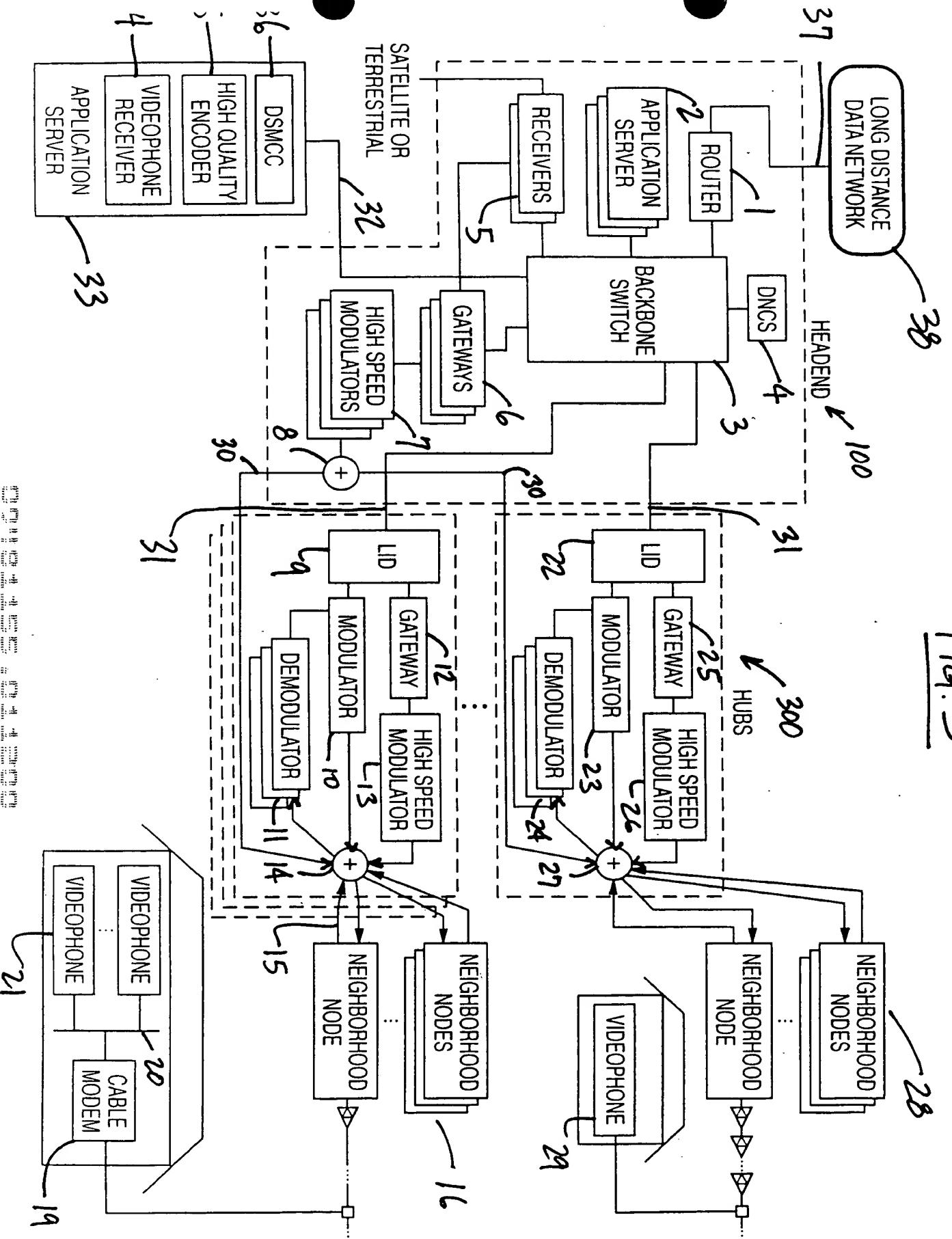


FIG. 5



The diagram illustrates a video-on-demand network architecture. It shows the flow of data from a Cable Modem through various network components to a Video Phone. The components are connected in a sequence, with arrows indicating the direction of data flow.

Components and their internal structure:

- Cable Modem 19:** Contains a stack of protocols: VIDEOPHONE, DATA, MULTIPLEX*, UDP, IP, and ETHERNET.
- MODEM DEMODULATOR MODULATOR:** Contains a stack of protocols: VIDEOPHONE, DATA, MULTIPLEX, UDP, IP, ATM, and DAVIC QPSK.
- LID:** Contains a stack of protocols: VIDEOPHONE, DATA, MULTIPLEX, UDP, IP, ATM, and OC-3C.
- ATM SWITCH ROUTER:** Contains a stack of protocols: VIDEOPHONE, DATA, MULTIPLEX, UDP, IP, ATM, and OC-3C.
- GATEWAY ATM MODULATOR:** Contains a stack of protocols: VIDEOPHONE, DATA, MULTIPLEX, UDP, IP, MPEG*, TRANSPORT, and DAVIC QAM.
- VIDEOPHONE:** Contains a stack of protocols: VIDEOPHONE, DATA, MULTIPLEX, UDP, IP, and MPEG* TRANSPORT DAVIC QAM.

Data Flow:

- The flow starts at the Cable Modem 19, which connects to the MODEM DEMODULATOR MODULATOR.
- The MODEM DEMODULATOR MODULATOR connects to the LID.
- The LID connects to the ATM SWITCH ROUTER.
- The ATM SWITCH ROUTER connects to the GATEWAY ATM MODULATOR.
- The GATEWAY ATM MODULATOR connects to the final VIDEOPHONE.

Handwritten Annotations:

- A handwritten "1" is next to the Cable Modem 19.
- A handwritten "2" is next to the MODEM DEMODULATOR MODULATOR.
- A handwritten "3" is next to the LID.
- A handwritten "4" is next to the ATM SWITCH ROUTER.
- A handwritten "5" is next to the GATEWAY ATM MODULATOR.
- A handwritten "6" is next to the final VIDEOPHONE.
- A handwritten "7" is next to the final VIDEOPHONE.
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- A handwritten "100" is next to the final VIDEOPHONE.

Footnote:

* COULD USE ATM INSTEAD

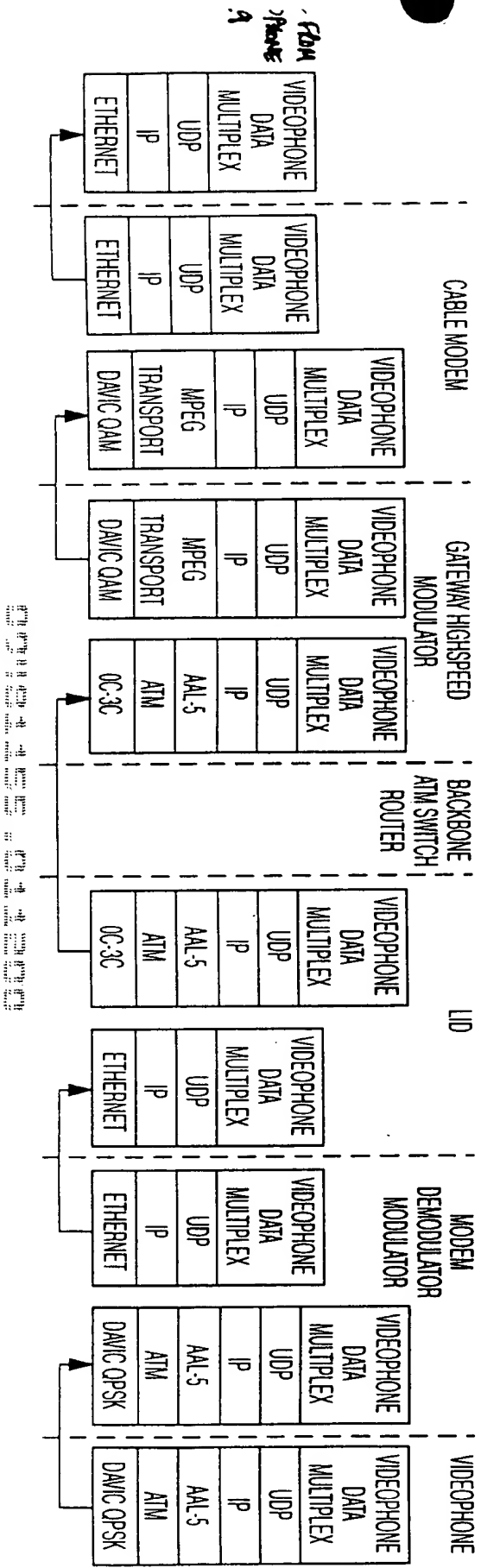
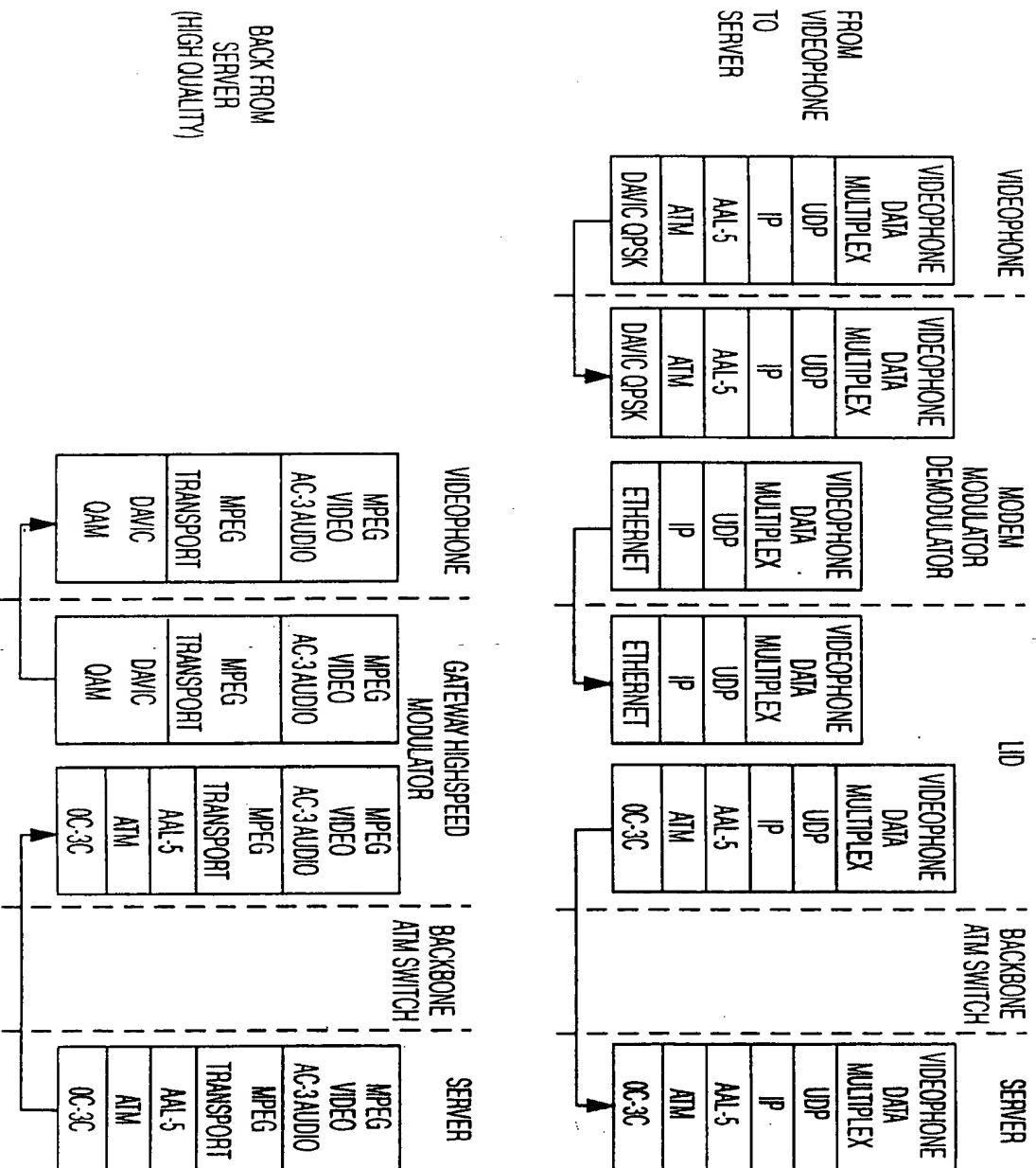


FIG. 7



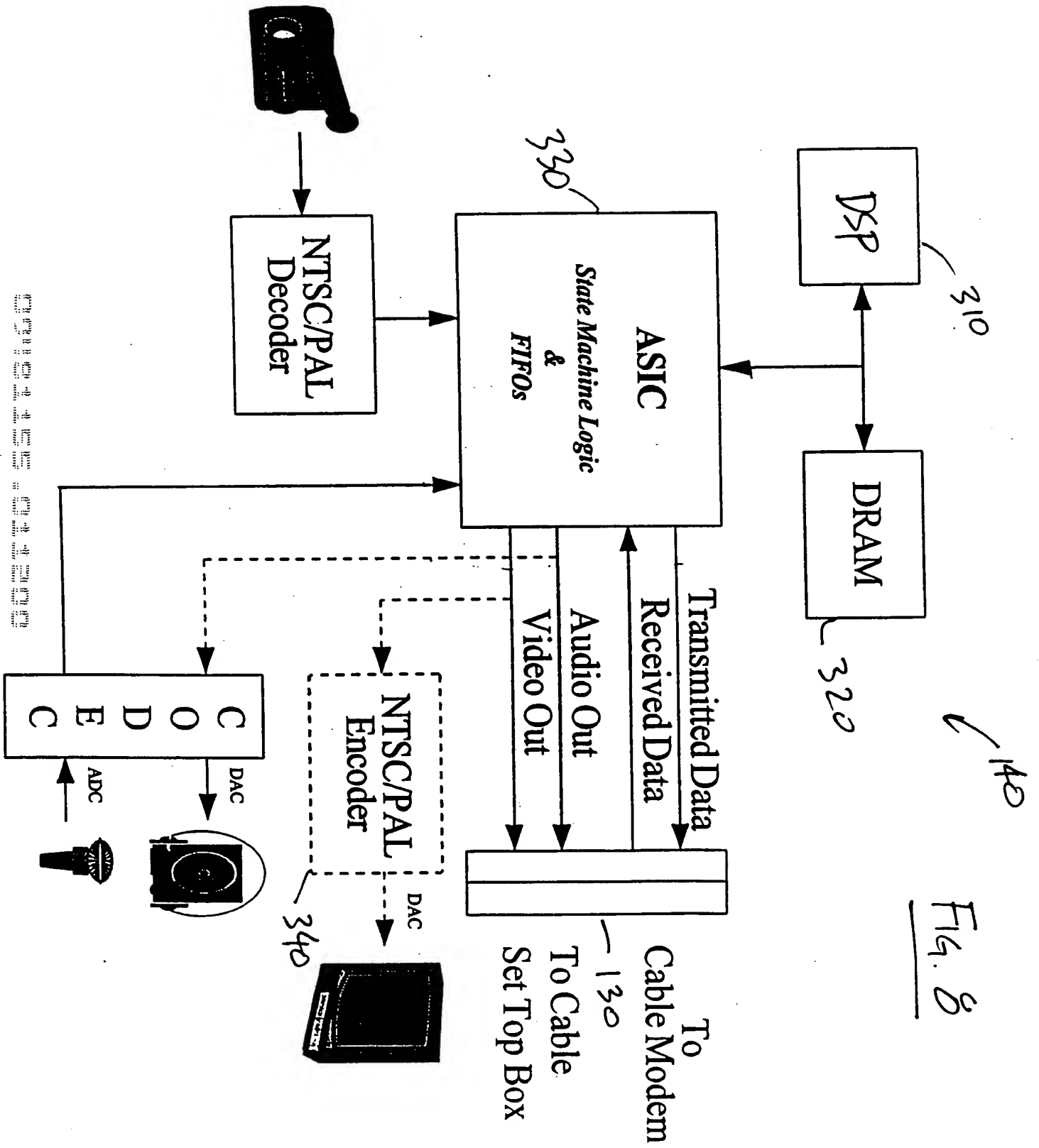


Fig. 8

Video Phone
Processing

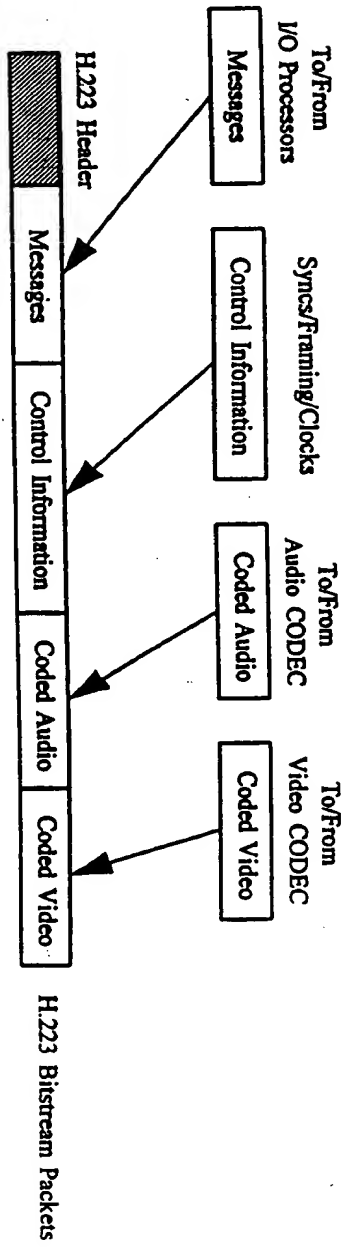


Fig. 9